

PROGRAM

Wednesday 20 March – Day 1

Please note that minor changes to the program may occur prior to or during the meeting.

TIME	EVENT	
13.00	Arrival and registration	
13.30	Welcome and practical information	
13.45	Keynote: Steen Gyldenkærne	Green house gas inventories with focus on Land-Use and Land-Use Change
Opening Session: Project presentation Chair: Eva Podgrajsek		
14.15	Lise Lotte Sørensen	ECOCLIM
14.45	Leif Klemedtsson	LAGGE
15.15	Jouni Pulliainen	SNOWCARBO
15.45	Coffee	
Session 1: Observations of Carbon sinks and sources Chair: Kristina Hansen		
16.00	Keynote: Anna Rutgersson	Observations of carbon sinks and sources
16.30	Eva Podgrajsek	Diurnal cycle of lake methane flux
16.50	Eva Thorborg Mørk	Biological and Physical control of pCO ₂ in a semi-enclosed sea: The Kattegat
17.10	Ebba Dellwik	Risø tower measurements and analysis in the ECOCLIM project
17.30	Klaus Steenberg Larsen	Effects of elevated CO ₂ , warming and summer drought on the carbon balance in a Danish heathland after seven treatment years – results from the CLIMAITE project
17.50	Break	
19.00	Dinner at <i>Rådhuskælderen</i>	
	End Day 1	

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Thursday 21 March – Day 2

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TIME	EVENT	
08.30	Coffee and roll	
Session 1: Observations of Carbon sinks and sources (<i>continued</i>) Chair: Kristina Hansen		
09.00	Magnus Lund	Terrestrial monitoring of greenhouse gas exchange in Greenland
09.20	Herbert Njuabe	Spatial variability in peak season net ecosystem exchange across the Arctic tundra
09.40	Mathilde Jammet	Ecosystem-scale methane dynamics in a subarctic mire landscape, Northern Sweden: on the importance of lake emissions
10.00	Blaize Denfeld	Under ice CO ₂ dynamics in boreal lakes (aquatic ecosystems): Implications of a changing cryosphere
10.20	Coffee	
Session 2: Modelling the Carbon budget Chair: Anne Sofie Lansø		
10.40	Keynote: Christoph Heinze	Towards the quantification of marine carbon budgets with models
11.10	Jørgen Bendtsen	Title
11.30	Mikko Peltoniemi	Predicting damage vulnerability based on ground-based observations of forests and weather
11.50	Aleksi Lehtonen	The uncertainty of modelled soil carbon stock change for Finland
12.10	Jian Wu	A synthesis on carbon budget in a Danish, temperate deciduous forest
12.30	Lunch	
13.30	Boris Tupek	Variation of pine, spruce and birch litterfall data exceeds modelling inputs for soil carbon stock change
13.50	Artem Budishchev	Validation of PEATLAND-VU methane emission model using eddy covariance observations and footprint modeling
14.10	Rasmus Jensen	Temporal variation of leaf nitrogen: a key parameter for photosynthesis modeling

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14.30	Tiina Markkanen	Modeling of regional CO ₂ balance in Life+ SnowCarbo	
14.50	Aki Koyama	Methane surface flux estimations by inverse modelling: Carbon Tracker Data Assimilation Shell	
Session 3: Poster session			
15.10	Anne Sofie Lansø	First step towards a mesoscale model system modeling the carbon cycle and carbon greenhouse gases for Denmark	
	Pavel Alekseychik	Surface energy balance of scandinavian peatlands	
	Kristina Hansen	Applying a coupled photosynthesis and stomatal conductance model to simulate CO ₂ fluxes for a Danish beech forest - The first step in the development of a coupled NH ₃ - CO ₂ model	
	Cathrine Fox Maule	Climate changes in the Nordic region 8-km resolution according to the RCP4.5 and RCP8.5 scenarios	
Session 4: Discussion session Chair: Eva Thorborg Mørk			
16.10	Discussion groups: where are the largest uncertainties in on-going research?		
17.30	Summary from discussion groups		
18.00	Break / End Day 2		
19.00	Young scientist networking at XX		

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Friday 22 March – Day 3

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TIME	EVENT	
08.30	Coffee and roll	
Session 5: Remote sensing data for carbon balance modelling Chair: Aki Koyama		
09.00	Keynote: Kristin Böttcher	Remote sensing data for carbon balance modelling
09.30	Angela Gallagher	Climate driven permafrost degradation and the resulting increase in pond cover impacts on the Siberian tundra green house gas emissions
09.50	Thomas Becker	The use of high resolution aerial photography to estimate source area contributions to heterogeneous ecosystem fluxes
10.10	Annika Nordbo	Fraction of natural area predicts CO ₂ budgets of cities
10.30	Coffee	
Session 6: Impacts of future climate and land use scenarios Chair: Anne Sofie Lansø		
10.50	Keynote: Jens Hesselbjerg	Title
11.20	Tuomo Kalliokoski	Climate change induced changes in gross primary production in Finland
11.40	Eva Boegh	Assessing the carbon balance of prevailing Danish crop fields using the Daisy model
12.00	Camilla Geels	Past, present and future changes in the atmospheric input of Nitrogen to the biosphere
12.20	Concluding remarks and closing	
13.00	Lunch	
14.00	End	